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Carlo Meghini , Fabrizio Sebastiani , Umberto Straccia
Journal of the ACM (JACM) September 2001
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 Elihu M. Gerson , Susan L. Star
ACM SIGOIS Bulletin , Proceedings of the third ACM-SIG IS conference on Office automation systems December 1986
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- 11** Analyzing due process in the workplace 61%
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ACM Transactions on Information Systems (TOIS) July 1986
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 Every office is an open system, and the products of office work are the result of decentralized negotiations. Changing patterns of task organization and alliance inevitably give rise to inconsistent knowledge bases and procedures. This implies that there are no globally correct answers to problems addressed by OISs. Rather, systems must deal with multiple competing, possibly irreconcilable, solutions. Articulating alternative solutions is the problem of due process. This pr ...
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 Recent and anticipated technological advances in wireless computing will permit users to compute ubiquitously, "anywhere" and "any time". However, mobile platforms are unlikely to have the computational resources to solve even moderately complex problems that users routinely solve on static workstations today. In the SciencePad project our aim is to develop "Ubiquitous" Problem Solving Environments (UPSEs) to support mobile aware applications. The objecti ...
- 14** Efficient reasoning 39%
 Russell Greiner , Christian Darken , N. Iwan Santoso
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 Many tasks require "reasoning"—i.e., deriving conclusions from a corpus of explicitly stored information—to solve their range of problems. An ideal reasoning system would produce all-and-only the correct answers to every possible query, produce answers that are as specific as possible, be expressive enough to permit any possible fact to be stored and any possible query to be asked, and be (time) efficient
- 15** Research centers: Research in multi-organizational processes and semantic information brokering at the LSDIS 27%
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 Amit Sheth , John Miller , Krys Kochut , Budak Arpinar
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 Anjali Dhond , Amar Gupta , Sanjeev Vadhavkar
Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining August 2000



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H. Ogawa , K. S. Fu , J. T. P. Yao
Proceedings of the 1984 annual conference of the ACM on The fifth generation challenge January 1984
 SPERIL-II is an expert system for damage assessment of existing structures. Fuzzy sets for imprecise data and Dempster and Shafer's theory for combining fuzzy sets with certainty factors are used in an inexact inference. Since the process of the damage assessment is quite complex, metarules are used to control the inference in order to improve the effectiveness and reliability of results. The metarules in SPERIL-II are represented in logic form with emphases on the explicit representation o ...
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David F. Clark , Abraham Kandel
Proceedings of the 1990 ACM SIGSMALL/PC symposium on Small systems February 1990
 The most common method for knowledge representation in an expert system is the production rule [Waterman 1986]. Unfortunately, the modularity inherent in a rule-based system is limiting, especially in an uncertain environment [Morawski 1989]. A fuzzy belief network (FBN) provides a more holistic, graphical approach and lends itself well to implementation in expert systems on personal and small computers.
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Martin R. Hall , Vitalius J. Benokraitis
Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 June 1988
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Hilary H. Hosmer
Proceedings on the 1992-1993 workshop on New security paradigms August 1993
- 5** Tutorial on fuzzy logic in simulation 88%

M. Luisa McAllister , Sergei A. Ovchinnikov , John T. Dockery , Klaus-Peter Adlassnig
Proceedings of the 17th conference on Winter simulation December 1985
 The objective of this tutorial is to introduce to the simulation community another tool that is now available. This tool is best known under the name of Fuzzy Set Theory. This tutorial contains a brief discussion of the current trends in simulation which we believe justify the need of this new tool. Kept to a minimum, the Introduction to fuzzy sets will be strictly limited to the case of a finite number of elements. Most attention will be devoted to fuzzy logic. It is precisely fuzzy logic ...
- 6** A framework for knowledge representation and use in pattern analysis 86%

F. Bergadano , A. Giordana
Proceedings of the ACM SIGART international symposium on Methodologies for intelligent systems December 1986
 In this paper a prototype Expert System oriented to signal and pattern analysis is described together with a general methodology based on a hypothesize-and-test strategy similar to the one used by a human expert. This paper focuses on the knowledge base architecture and on its use. In order to make it capable of dealing with noisy patterns, the knowledge description is based on Fuzzy logic and the inference engine is able to reason about the knowledge it uses. The system is being applied to ...
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- 9** GERTIS: a Dempster-Shafer approach to diagnosing hierarchical hypotheses 85%
 John Yen
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 Gertis—a prototype expert system—not only demonstrates the feasibility of applying the Dempster-Shafer-based reasoning model to diagnosing hierarchically related hypotheses, but also suggests ways to generate better explanations by using knowledge about the structure of the hypothesis space and knowledge about the intended effects of the rules.
- 10** Processing unexact information in a medical used multiparadigm system 85%
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 David P. Miller , R. James Firby , Paul A. Fishwick , Jeff Rothenberg
ACM Transactions on Modeling and Computer Simulation (TOMACS) October 1992
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- 12** Automated selection of mathematical software 85%
 Michael Lucks , Ian Gladwell
ACM Transactions on Mathematical Software (TOMS) March 1992
 Volume 18 Issue 1
 Current approaches to recommending mathematical software are qualitative and categorical. These approaches are unsatisfactory when the problem to be solved has features that can "trade-off" in the recommendation process. A quantitative system is proposed that permits tradeoffs and can be built and modified incrementally. This quantitative approach extends other knowledge-engineering techniques in its knowledge representation and aggregation facilities. The system is demonstrated ...
- 13** A collaborative fuzzy expert system for the Web 84%
 Tod A. Sedbrook
ACM SIGMIS Database June 1998
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 A convergence of Internet and fuzzy logic technologies provides an opportunity for experts and end users to collaborate in developing, refining, and testing knowledge-based systems. Internet technology removes geographical and time-based restraints, and fuzzy rule bases are easier to understand and maintain. This paper describes an architecture and a prototype for developing, delivering, and maintaining expert systems on the World Wide Web. The system's collaboration components allowed experts to ...
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 Jon Doyle , Thomas Dean
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- 16** A web of fuzzy problems: confronting the ethical issues 84%
 Ina Wagner
Communications of the ACM June 1993
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- 17** Inference networks for document retrieval 82%
 H. Turtle , W. B. Croft
Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval December 1989
 The use of inference networks to support document retrieval is introduced. A network-based retrieval model is described and compared to conventional probabilistic and Boolean models.
- 18** Decision making under uncertainty 82%
 Judea Pearl
ACM Computing Surveys (CSUR) March 1996
 Volume 28 Issue 1
- 19** Knowledge base organization in expert systems 82%
 S Frediani , L Saitta
Proceedings of the ACM SIGART international symposium on Methodologies for intelligent systems December 1986
 This paper describes a method for performing knowledge base (re)organization in expert systems oriented to classification, interpretation and diagnosis problems. The methodology can be applied either to the input descriptions of a set of samples, giving thus a preliminary characterization of groups of samples, or to a set of intermediate level descriptions, supplied by a human expert or previously automatically learned. An example of application is also given.
- 20** Evaluation of an inference network-based retrieval model 82%
 Howard Turtle , W. Bruce Croft
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Armstrong, J.M.; Heathfield, H.A.;
Applications and Experience of Object-Oriented Design, IEE Colloquium on , 24 Jan 1991
Page(s): 1/1 -1/3

[\[Abstract\]](#) [\[PDF Full-Text \(160 KB\)\]](#) **IEEE CNF****17 Human-computer interaction in a medical decision support system**

Hudson, D.L.; Cohen, M.E.;
System Sciences, 1989. Vol.II: Software Track, Proceedings of the Twenty-Second Annual Hawaii International Conference on , 3-6 Jan 1989
Page(s): 429 -435 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(420 KB\)\]](#) **IEEE CNF****18 Combination of a neural network model and a rule-based expert system to determine efficacy of medical testing procedures**

Cohen, M.E.; Hudson, D.L.; Anderson, M.F.;
Engineering in Medicine and Biology Society, 1989. Images of the Twenty-First Century. Proceedings of the Annual International Conference of the IEEE Engineering in , 9-12 Nov 1989
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A hybrid case-based medical diagnosis system

Chien-Chang Hsu Cheng-Seen Ho

Dept. of Electron. Eng., Nat. Taiwan Univ. of Sci. & Technol., Taipei;

This paper appears in: Tools with Artificial Intelligence, 1998.

Proceedings. Tenth IEEE International Conference on

11/10/1998 -11/12/1998, 10-12 Nov 1998

Location: Taipei, Taiwan

On page(s): 359-366

10-12 Nov 1998

References Cited: 15

IEEE Catalog Number: 98CH36294

Number of Pages: xviii+483

INSPEC Accession Number: 6155541

Abstract:

This paper proposes a hybrid case-based system to help the physician. It includes a hypermedia human-machine interface and a hybrid case-based reasoner. The hypermedia human-machine interface provides a friendly human body image map for the clinician to easily enter a given consultation. It utilizes a medicine-related commonsense knowledge base to help complete the input data during the consultation. The hybrid case-based reasoner is responsible for selecting and adapting relevant cases from the case library into a diagnosis for the consultation. This reasoner does those jobs by hybridizing many techniques. Basically it uses a distributed fuzzy neural network for case retrieval. It employs decision theory, constrained induction trees, and relevance theory for case adaptation involving case combination. The technique is also used for learning new cases into the case library. Hybridizing these techniques together can effectively produce a high quality diagnosis for a given medical consultation

Index Terms:

case-based reasoning decision theory fuzzy neural nets hypermedia medical diagnostic computing medical expert systems multimedia computing patient diagnosis trees (mathematics) user interfaces case adaptation case combination case library case retrieval clinician constrained induction trees consultation decision theory distributed fuzzy neural network high quality diagnosis human body image map hybrid case-based medical diagnosis system hybrid case-based reasoner hypermedia human-machine interface input data medicine-related commonsense knowledge base new case learning relevance theory

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Computer-Based Medical Systems, 2002. (CBMS 2002). Proceedings of the 15th IEEE Symposium on , 2002
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2 A method for diagnosing multiple diseases in MUNIN
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Biomedical Engineering, IEEE Transactions on , Volume: 48 Issue: 5 , May 2001
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3 A new concept toward computer-aided medical diagnosis - a prototype implementation addressing pulmonary diseases
Economou, G.-P.; Lymberopoulos, D.; Karavatselou, E.; Chassomeris, C.;
Information Technology in Biomedicine, IEEE Transactions on , Volume: 5 Issue: 1 , Mar 2001
Page(s): 55 -65

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4 Impact of approximate reasoning on diagnosis in the EMERGE system
Cohen, M.E.; Hudson, D.L.;
Engineering in Medicine and Biology Society, 1998. Proceedings of the 20th Annual International Conference of the IEEE , Volume: 3 , 29 Oct-1 Nov 1998
Page(s): 1352 -1355 vol.3

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5 Stanford University's AI in medicine: still cutting the edge
Hedberg, S.R.;
Intelligent Systems, IEEE [see also IEEE Expert] , Volume: 13 Issue: 1 , Jan/Feb 1998
Page(s): 74 -76

[\[Abstract\]](#) [\[PDF Full-Text \(540 KB\)\]](#) **IEEE JNL**

6 Structuring medical information for computer-assisted decision support
Hudson, D.L.; Cohen, M.E.;
Engineering in Medicine and Biology society, 1997. Proceedings of the 19th Annual International Conference of the IEEE , Volume: 3 , 30 Oct-2 Nov 1997
Page(s): 953 -956 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(280 KB\)\]](#) **IEEE CNF**

7 Fuzzy neural networks versus alternative approaches in medical decision support

Gorzalczany, M.B.;

Industrial Electronics, 1997. ISIE '97., Proceedings of the IEEE International Symposium on , 7-11 Jul 1997

Page(s): 1270 -1275 vol.3

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8 An idea of the application of fuzzy neural networks to medical decision support systems

Gorzalczany, M.B.;

Industrial Electronics, 1996. ISIE '96., Proceedings of the IEEE International Symposium on , Volume: 1 , 17-20 Jun 1996

Page(s): 398 -403 vol.1

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9 Deciding about syndromes with SYNFIN

Zavrsnik, J.; Kancler, K.; Zidanik, A.; Bigec, M.; Kokol, P.;

Computer-Based Medical Systems, 1996., Proceedings Ninth IEEE Symposium on , 17-18 Jun 1996

Page(s): 83 -86

[\[Abstract\]](#) [\[PDF Full-Text \(148 KB\)\]](#) **IEEE CNF**

10 A novel medical decision support system

Economou, G.-P.K.; Goumas, P.D.; Spiropoulos, K.;

Computing & Control Engineering Journal , Volume: 7 Issue: 4 , Aug 1996

Page(s): 177 -183

[\[Abstract\]](#) [\[PDF Full-Text \(1284 KB\)\]](#) **IEE JNL**

11 The new age electronic patient record system

Saha, S.;

Biomedical Engineering Conference, 1995., Proceedings of the 1995 Fourteenth Southern , 7-9 Apr 1995

Page(s): 134 -137

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12 A complete, hypermedia medical decision analysis support system

Chiu, D.Y.; Chang, C.C.; Evens, M.W.; Chern, J.C.; Hier, D.B.; Trace, D.A.;

Naeymi-Rad, F.;

Computer-Based Medical Systems, 1994., Proceedings 1994 IEEE Seventh Symposium on , 10-12 Jun 1994

Page(s): 16 -21

[\[Abstract\]](#) [\[PDF Full-Text \(228 KB\)\]](#) **IEEE CNF**

13 Fuzzy logic approaches to intelligent alarms

Becker, K.; Rau, G.; Kaesmacher, H.; Petermeyer, M.; Kalff, G.; Zimmermann,

H.-J.;

IEEE Engineering In Medicine and Biology Magazine , Volume: 13 Issue: 5 , Nov/Dec 1994

Page(s): 710 -716

[\[Abstract\]](#) [\[PDF Full-Text \(1148 KB\)\]](#) **IEEE JNL**

14 Can we formally specify a medical decision support system?

Krause, P.; Fox, J.; O'Neil, M.; Glowinski, A.;

Expert, IEEE [see also IEEE Intelligent Systems] , Volume: 8 Issue: 3 , Jun 1993

Page(s): 56 -61

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15 IEE Colloquium on `Intelligent Decision Support Systems and Medicine' (Digest No.143)

Intelligent Decision Support Systems and Medicine, IEE Colloquium on , 15 Jun 1992

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1 Fuzzy neural expert system with automated extraction of fuzzy If-Then rules from a trained neural network

Hayashi, Y.; Imura, A.;

Uncertainty Modeling and Analysis, 1990. Proceedings., First International Symposium on , 3-5 Dec 1990

Page(s): 489 -494

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) **IEEE CNF**

2 Incorporating semantics to ART

Guazzelli, A.; de Faria Leao, B.;

Neural Networks, 1994. IEEE World Congress on Computational Intelligence., 1994 IEEE International Conference on , Volume: 3 , 27 Jun-2 Jul 1994

Page(s): 1726 -1731 vol.3

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3 ECG diagnosis using neural network and fuzzy expert system

Sivathanan, S.; Cecelja, F.; Balachandran, W.;

Instrumentation and Measurement Technology Conference, 2000. IMTC 2000. Proceedings of the 17th IEEE , Volume: 2 , 2000

Page(s): 988 -992 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) **IEEE CNF**

4 Combination of neural networks and fuzzy sets as a basis for medical expert systems

Gorzalczany, M.B.; McLeish, M.;

Computer-Based Medical Systems, 1992. Proceedings., Fifth Annual IEEE Symposium on , 14-17 Jun 1992

Page(s): 412 -420

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) **IEEE CNF**

5 Neuro fuzzy systems

Arafah, L.M.;

Electrical and Electronics Engineers in Israel, 1996., Nineteenth Convention of , 5-6 Nov 1996

Page(s): 430 -435

[\[Abstract\]](#) [\[PDF Full-Text \(380 KB\)\]](#) **IEEE CNF**

6 Application of fuzzy neural network to ECG diagnosis

Xie Zhi-Xing; Xie Han-Zhong; Ning Xing-Bao;

Neural Networks, 1997., International Conference on , Volume: 1 , 9-12 Jun 1997

Page(s): 62 -66 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) [IEEE CNF](#)

7 An idea of the application of fuzzy neural networks to medical decision support systems

Gorzalczany, M.B.;

Industrial Electronics, 1996. ISIE '96., Proceedings of the IEEE International Symposium on , Volume: 1 , 17-20 Jun 1996

Page(s): 398 -403 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(552 KB\)\]](#) [IEEE CNF](#)

8 An automated ECG classification system based on a neuro-fuzzy system

Lu, H.L.; Ong, K.; Chia, P.;

Computers in Cardiology 2000 , 2000

Page(s): 387 -390

[\[Abstract\]](#) [\[PDF Full-Text \(260 KB\)\]](#) [IEEE CNF](#)

9 A hybrid system for diagnosis and treatment of heart disease

Hudson, D.L.; Cohen, M.E.; Deedwania, P.C.;

Engineering in Medicine and Biology Society, 1994. Engineering Advances: New Opportunities for Biomedical Engineers. Proceedings of the 16th Annual International Conference of the IEEE , 1994

Page(s): 1368 -1369 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(168 KB\)\]](#) [IEEE CNF](#)

10 Fuzzy neural networks versus alternative approaches in medical decision support

Gorzalczany, M.B.;

Industrial Electronics, 1997. ISIE '97., Proceedings of the IEEE International Symposium on , 7-11 Jul 1997

Page(s): 1270 -1275 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(564 KB\)\]](#) [IEEE CNF](#)

11 Hyperbox model for fuzzy rule evaluation in neural networks

Durmaz, D.; Alpaslan, F.N.;

Knowledge-Based Intelligent Electronic Systems, 1998. Proceedings KES '98. 1998 Second International Conference on , Volume: 2 , 21-23 Apr 1998

Page(s): 321 -328 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(500 KB\)\]](#) [IEEE CNF](#)

12 A temporal neurofuzzy model for rule-based systems

Alpaslan, F.N.; Bilen, E.; Jain, L.;

Knowledge-Based Intelligent Electronic Systems, 1997. KES '97. Proceedings., 1997 First International Conference on , Volume: 2 , 27-23 May 1997

Page(s): 690 -695 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) [IEEE CNF](#)

13 A hybrid case-based medical diagnosis system

Chien-Chang Hsu; Cheng-Seen Ho;

Tools with Artificial Intelligence, 1998. Proceedings. Tenth IEEE International Conference on , 10-12 Nov 1998

Page(s): 359 -366

[\[Abstract\]](#) [\[PDF Full-Text \(500 KB\)\]](#) [IEEE CNF](#)

14 Differential diagnosis using signal analysis data

Hudson, D.L.; Cohen, M.E.; Anderson, M.F.; Deedwania, P.C.;
[Engineering in Medicine and Biology, 1999. 21st Annual Conf. and the 1999
Annual Fall Meeting of the Biomedical Engineering Soc.] BMES/EMBS Conference,
1999. Proceedings of the First Joint , Volume: 2 , Oct 1999
Page(s): 935 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(76 KB\)\]](#) **IEEE CNF**

15 Fuzzy expert system for cardiovascular disease diagnosis-tests and performance evaluation

Zahan, S.; Bogdan, R.; Capalneanu, R.;
Neural Network Applications in Electrical Engineering, 2000. NEUREL 2000.
Proceedings of the 5th Seminar on , 2000
Page(s): 65 -68

[\[Abstract\]](#) [\[PDF Full-Text \(340 KB\)\]](#) **IEEE CNF**

16 A hybrid intelligent system for medical diagnosis

Meesad, P.; Yen, G.G.;
Neural Networks, 2001. Proceedings. IJCNN '01. International Joint Conference
on , Volume: 4 , 2001
Page(s): 2558 -2563 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) **IEEE CNF**

17 Computational intelligence for medical knowledge acquisition with application to glaucoma

Varachiu, N.; Karanicolos, C.; Ulieru, M.;
Cognitive Informatics, 2002. Proceedings. First IEEE International Conference on ,
2002
Page(s): 233 -238

[\[Abstract\]](#) [\[PDF Full-Text \(805 KB\)\]](#) **IEEE CNF**

18 Subsethood-product fuzzy neural inference system (SuPFuNIS)

Paul, S.; Kumar, S.;
Neural Networks, IEEE Transactions on , Volume: 13 Issue: 3 , May 2002
Page(s): 578 -599

[\[Abstract\]](#) [\[PDF Full-Text \(677 KB\)\]](#) **IEEE JNL**

19 Fuzzy multi-layer perceptron, inferencing and rule generation

Mitra, S.; Pal, S.K.;
Neural Networks, IEEE Transactions on , Volume: 6 Issue: 1 , Jan 1995
Page(s): 51 -63

[\[Abstract\]](#) [\[PDF Full-Text \(1056 KB\)\]](#) **IEEE JNL**

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Uncertainty Modeling and Analysis, 1990. Proceedings., First International Symposium on , 3-5 Dec 1990

Page(s): 489 -494

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) [IEEE CNF](#)**2 Neural networks: in search of computer-aided diagnosis***Schizas, C.N.; Bonsett, C.A.; Livesay, R.R.; Pattichis, C.S.;*

Neural Networks, 1991. 1991 IEEE International Joint Conference on , 18-21 Nov 1991

Page(s): 1825 -1830 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) [IEEE CNF](#)**3 Combination of a neural network model and a rule-based expert system to determine efficacy of medical testing procedures***Cohen, M.E.; Hudson, D.L.; Anderson, M.F.;*

Engineering in Medicine and Biology Society, 1989. Images of the Twenty-First Century. Proceedings of the Annual International Conference of the IEEE

Engineering in , 9-12 Nov 1989

Page(s): 1991 -1992 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) [IEEE CNF](#)**4 A neural network expert system for computer-assisted analysis of blood-pressure data***Cagnoni, S.; Coppini, G.; Livi, R.; Poli, R.; Scarpelli, P.T.; Valli, G.;*

Computers in Cardiology 1991. Proceedings. , 23-26 Sep 1991

Page(s): 473 -476

[\[Abstract\]](#) [\[PDF Full-Text \(324 KB\)\]](#) [IEEE CNF](#)**5 A dual network expert system***Liow, R.; Vidal, J.J.;*

Neural Networks, 1991. 1991 IEEE International Joint Conference on , 18-21 Nov 1991

Page(s): 1670 -1674 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(236 KB\)\]](#) [IEEE CNF](#)**6 Neural network with variable excitability of input units (NN-VEIN)***Sayad, S.; Sayad, J.; Sayad, M.H.;*

Communications, Computers and Signal Processing, 1991., IEEE Pacific Rim Conference on , 9-10 May 1991

Page(s): 601 -602 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(104 KB\)\]](#) [IEEE CNF](#)

7 Incorporating semantics to ART

Guazzelli, A.; de Faria Leao, B.;
Neural Networks, 1994. IEEE World Congress on Computational Intelligence.,
1994 IEEE International Conference on , Volume: 3 , 27 Jun-2 Jul 1994
Page(s): 1726 -1731 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(464 KB\)\]](#) [IEEE CNF](#)

8 Medical diagnosis and artificial neural networks: a medical expert system applied to pulmonary diseases

Economou, G.-P.K.; Spiropoulos, C.; Economopoulos, N.M.; Charokopos, N.;
Lymberopoulos, D.; Spiliopoulou, M.; Haralambopulu, E.; Goutis, C.E.;
Neural Networks for Signal Processing [1994] IV. Proceedings of the 1994 IEEE
Workshop , 6-8 Sep 1994
Page(s): 482 -489

[\[Abstract\]](#) [\[PDF Full-Text \(320 KB\)\]](#) [IEEE CNF](#)

9 Neural networks for forecasting of myocardial infarction complications

Rossiev, D.A.; Golovenkin, S.E.; Shulman, V.A.; Matjushin, G.V.;
Neuroinformatics and Neurocomputers, 1995., Second International Symposium
on , 20-23 Sep 1995
Page(s): 292 -298

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) [IEEE CNF](#)

10 ECG diagnosis using neural network and fuzzy expert system

Sivathanan, S.; Cecelja, F.; Balachandran, W.;
Instrumentation and Measurement Technology Conference, 2000. IMTC 2000.
Proceedings of the 17th IEEE , Volume: 2 , 2000
Page(s): 988 -992 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) [IEEE CNF](#)

11 Pyramidal neural networking for mammogram tumour pattern recognition

Guoxin Xing; Feltham, R.;
Neural Networks, 1994. IEEE World Congress on Computational Intelligence.,
1994 IEEE International Conference on , Volume: 6 , 27 Jun- 2 Jul 1994
Page(s): 4090 -4094 vol.6

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) [IEEE CNF](#)

12 Interpretation and knowledge discovery from a MLP network that performs low back pain classification

Vaughn, M.L.; Cavill, S.J.; Taylor, S.J.; Foy, M.A.; Fogg, A.J.B.;
Knowledge Discovery and Data Mining (1998/434), IEE Colloquium on , 8 May
1998
Page(s): 2/1 -2/4

[\[Abstract\]](#) [\[PDF Full-Text \(352 KB\)\]](#) [IEEE CNF](#)

13 Computer-assisted differential diagnosis and management

Hudson, D.L.; Cohen, M.E.; Anderson, M.F.;
System Sciences, 1991. Proceedings of the Twenty-Fourth Annual Hawaii
International Conference on , Volume: iii , 8-11 Jan 1991
Page(s): 218 -226 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(600 KB\)\]](#) [IEEE CNF](#)

14 Neural network versus electrocardiographer and conventional computer criteria in diagnosing anterior infarct from the ECG

Reddy, M.R.S.; Edenbrandt, L.; Svensson, J.; Haisty, W.K.; Pahlm, O.;
Computers in Cardiology 1992. Proceedings. , 11-14 Oct 1992
Page(s): 667 -670

[\[Abstract\]](#) [\[PDF Full-Text \(244 KB\)\]](#) [IEEE CNF](#)

15 Combination of neural networks and fuzzy sets as a basis for medical expert systems

Gorzalczany, M.B.; McLeish, M.;
Computer-Based Medical Systems, 1992. Proceedings., Fifth Annual IEEE Symposium on , 14-17 Jun 1992
Page(s): 412 -420

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network for diagnostic reasoning. But even domain **experts** are usually hesitant to specify numerical
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www.cbl.leeds.ac.uk/~euroaied/papers/Schroeder/paper.ps

[Fuzzy Sets and Vague Environments - Klawonn](#) [\(Correct\)](#)

table in order to determine the optimal dose of a **medicine** for a certain patient. We should be aware of the
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www.his.sunderland.ac.uk/newbook/..ps/intro.pdf[Detecting Elliptic Objects Using Inverse Hough--Transform - Joachim Hornegger Dietrich \(1993\)](#) [\(Correct\)](#)Elliptic Objects Using Inverse Hough-Transform **Joachim** Hornegger, Dietrich W. R. Paulus The following and localization of these objects. Examples are **medical** images of tumors [1] or the problem of finding that the positional parameters of one object with **fuzzy** contours and roughly elliptical shape can be
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have previously been discretized by domain **experts**. NeuroRule is applied to the discretized data
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www.ia.uned.es/~fjdíez/papers/diaval.ps.gz

[Using Hindsight in Medical Decision Making - Thomas Russ \(1990\)](#) (Correct) (13 citations)
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www.isi.edu/isd/LOOM/papers/russ/Russ90.ps

[A Hybrid Fuzzy-Neural Expert System for Diagnosis - Herrmann \(1995\)](#) (Correct) (3 citations)
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A Hybrid **Fuzzy-Neural Expert** System for **Diagnosis** Christoph S.
aida.intellektik.informatik.th-darmstadt.de/~kipr/1995/95-02.ps.Z

[Induction of decision trees and Bayesian.. - Zelic, Kononenko.. \(1997\)](#) (Correct) (2 citations)
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of the naive Bayesian classifier with the **fuzzy** discretization of numerical attributes was
garovix.ijs.si/pub/papers/idamap97/zelic.ps.gz

[A Combination Scheme of Artificial Intelligence and .. - Kuncheva, Zlatev.. \(1993\)](#) (Correct) (3 citations)
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these problems is the combination of the vague **expert** information on the problem with that contained in
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www.kbs.uni-hannover.de/paper/93/kzng93_flai.ps

[Learning in Networks - Buntine \(1995\)](#) (Correct) (2 citations)
is available. Similar non-standard examples from **medicine** are described in (Gilks, Clayton, Spiegelhalter,
software solutions to intelligent tasks such as **expert** systems, speech and natural language
void. These new styles include neural networks, **fuzzy** logic, genetic programming, machine learning, and
www-cad.eecs.berkeley.edu/~wray/Mirror/ISI50.ps.Z

[Fuzzy Dynamics in Software Project Simulation and Support - Fernandez Ramil And \(1998\)](#) (Correct)
(1 citation)
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Levary and Lin added a front-end **fuzzy** logic based **expert** systems to support, respectively, the
Fuzzy Dynamics in Software Project Simulation and
www.doc.ic.ac.uk/~mml/feast/papers/pdf/595.pdf

Global Analysis and Distribution of Unbalanced.. - Kropp, Lüdeke, Reusswig (1998) (Correct) (1 citation)
1995) This concept, formulated in analogy to **medicine**, defines syndromes of Global Change as interactions on the global scale. Keywords: **Expert** System, **Fuzzy** Logic, Global Change, Sanitary Unbalanced Urbanization Processes by Usage of the **Fuzzy** Logic Concept: The Favela Syndrome J. Kropp y www.icbm.uni-oldenburg.de/kropp/.paper/favela.ps.gz

Symbolical Reasoning about Numerical Data: A Hybrid Approach - Herrmann (1997) (Correct) (1 citation)
various signal analysis approaches are applied in **medicine** to process the electronically acquired data. **diagnosis**. The core of the system is a **fuzzy expert** system with a dual source knowledge base. Two for medical **diagnosis**. The core of the system is a **fuzzy expert** system with a dual source knowledge base. aida.intellektik.informatik.th-darmstadt.de/~kipr/1995/95-12.ps.Z

Consistent Uncertainty Management in Expert Systems - Bogunovic (1996) (Correct) (1 citation)
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[1] MYCIN heuristic confidence factors [2] and **fuzzy** approach [3] are the most popular ones. If we lelpc1.irb.hr/bogunovic/PS-files/KOREMA96.ps

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[Fuzzy Diagnosis - Kuncheva, Steimann \(1999\) \(Correct\)](#)

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